

Chart 55138

NM 46/01

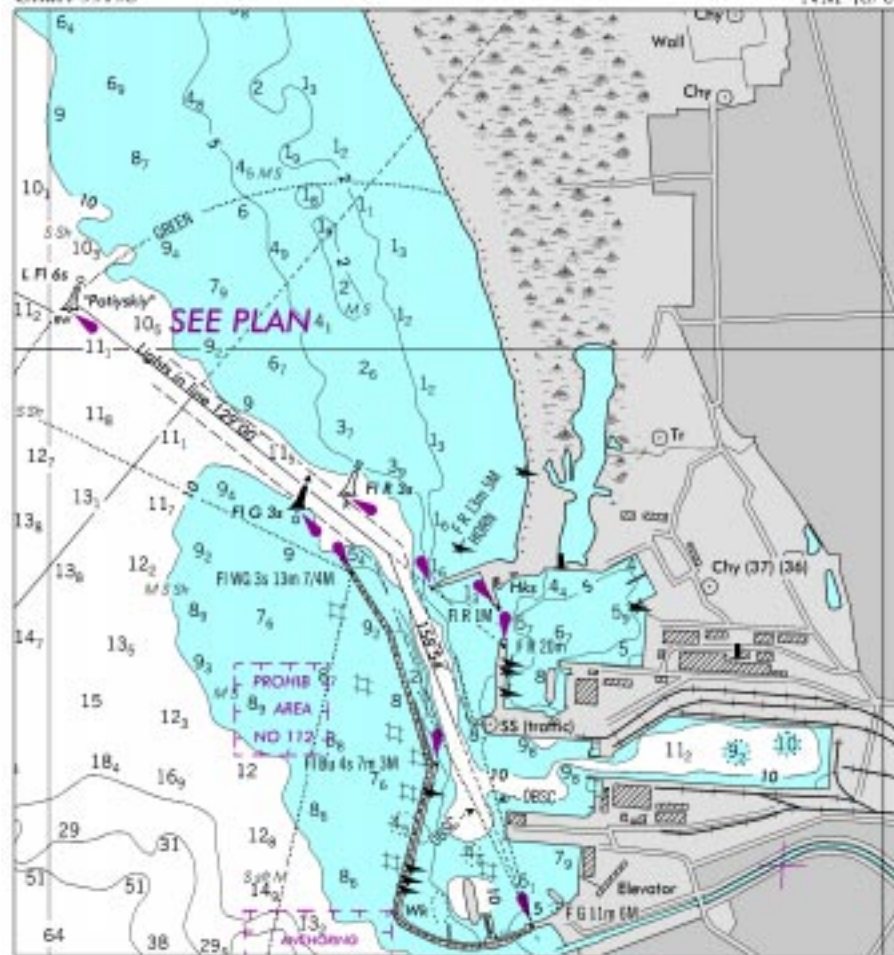




Chart 55138 (Plan)

(B)

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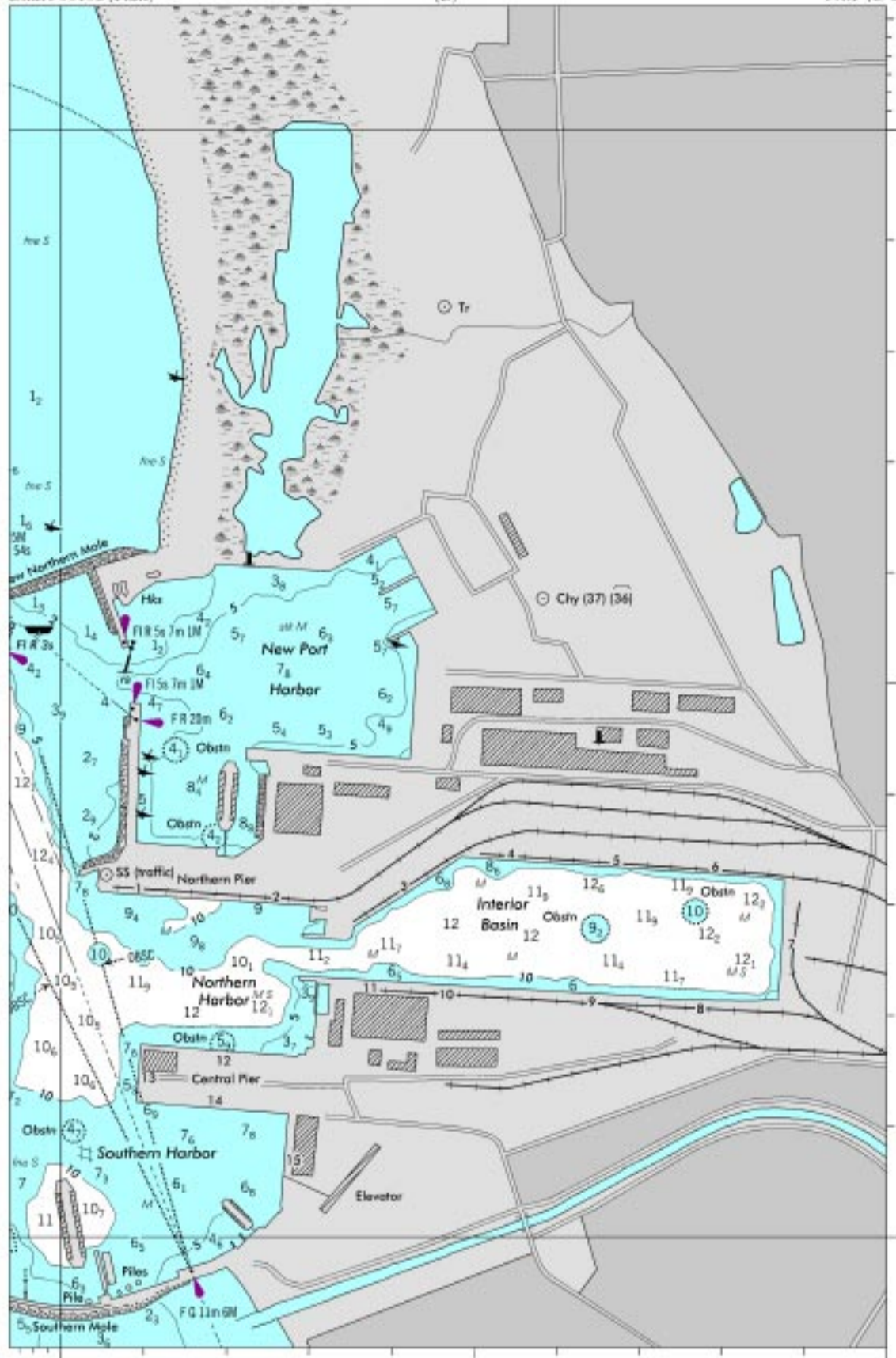
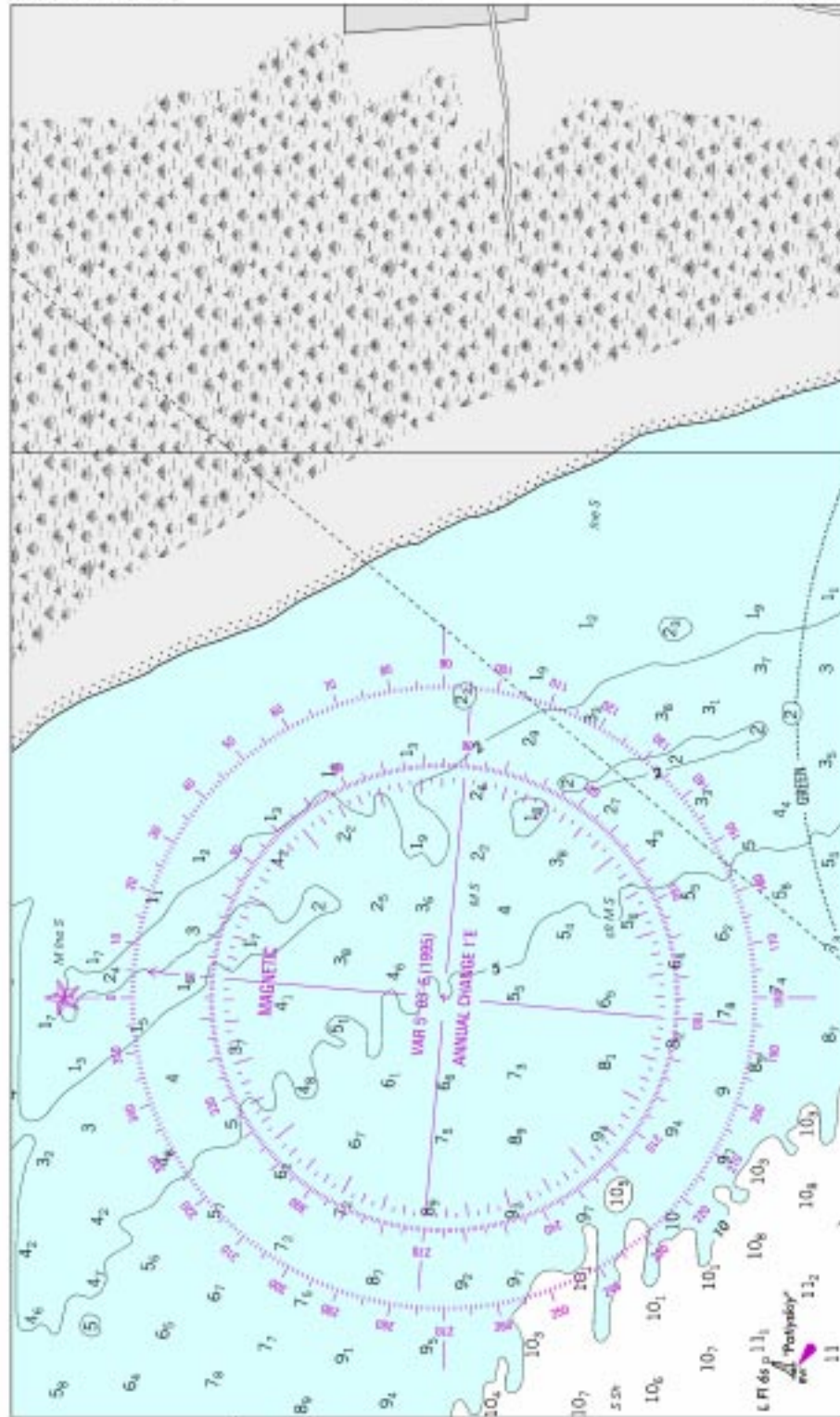


Chart 55138 (Plan)

(C)

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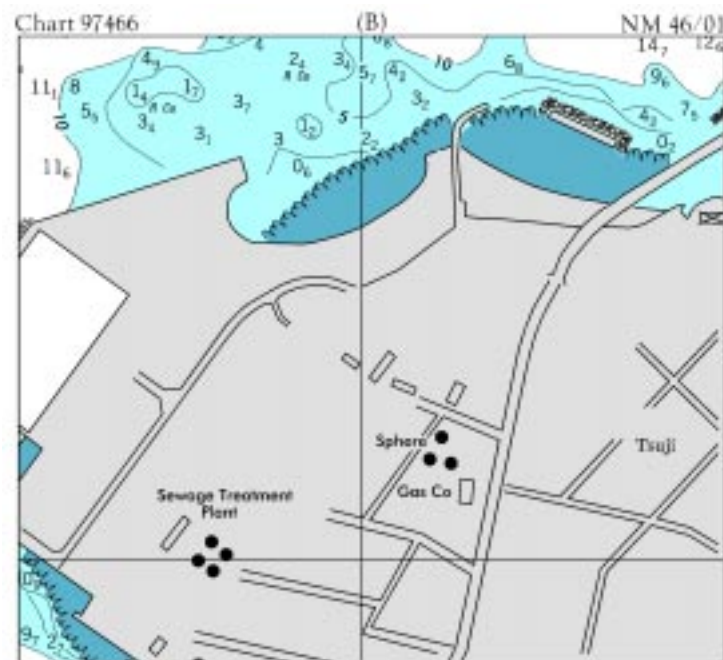
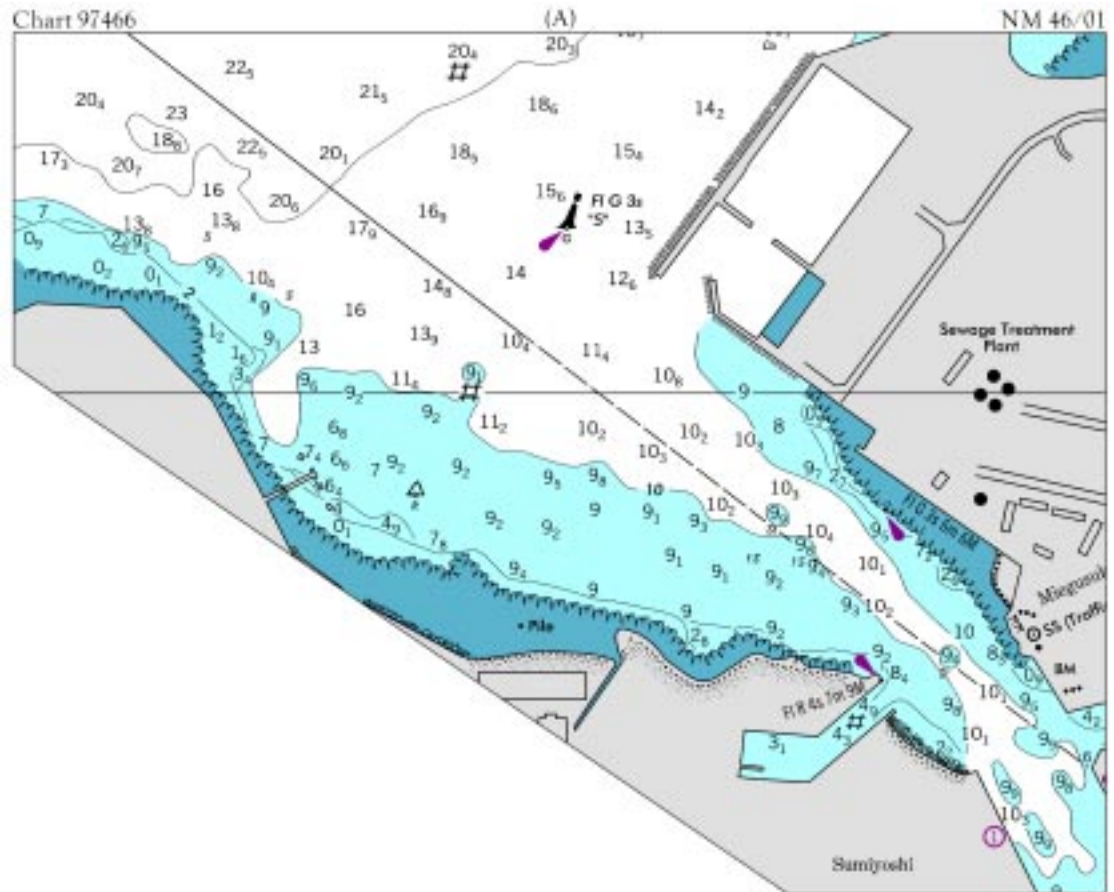


Chart 11301

NM 46/01

BROWNSVILLE AND PORT ISABEL HARBORS CHANNEL DEPTHS							
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF SEP 2001							
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
BRAZOS SANTIAGO PASS:							
ENTRANCE CHANNEL	44.0	44.0	44.0	1-01	300	1.9	44
JETTY CHANNEL	46.0	46.0	46.0	1-01	300-400	1.9	42
LAGUNA MADRE CHANNEL	44.0	44.0	44.0	6-00	250	2.2	42
BROWNSVILLE SHIP CHANNEL:							
JUNCTION BASIN TO BOCA							
CHICA PASSING BASIN	44.0	44.0	44.0	6-00	250	3.4	42
BOCA CHICA PASSING							
BASIN TO GOOSE I.							
PASSING BASIN	44.0	44.0	44.0	6-00	250	4.5	42
GOOSE I. PASSING							
BASIN TO BROWNSVILLE							
TURNING BASIN	44.0	44.0	44.0	6-00	300	2.8	42
BROWNSVILLE TURNING BASIN	35.0	36.0	35.0	3-00	500-1200	1.9	42-36
PORT ISABEL CHANNEL:							
JUNCTION TO TURNING BASIN							
(INCLUDING WIDENER AT JUNCTION)	38.0	38.0	38.0	12-00	200	1.2	36
PORT ISABEL TURNING BASIN	38.0	38.0	38.0	12-00	1000	0.2	36
CUT OFF CHANNEL	38.0	38.0	38.0	12-00	200	0.7	36
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION							

Chart 11302 (Side B)

NM 46/01

BROWNSVILLE AND PORT ISABEL HARBORS CHANNEL DEPTHS							
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF SEP 2001							
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
BRAZOS SANTIAGO PASS:							
ENTRANCE CHANNEL	44.0	44.0	44.0	1-01	300	1.9	44
JETTY CHANNEL	46.0	46.0	46.0	1-01	300-400	1.9	42
LAGUNA MADRE CHANNEL	44.0	44.0	44.0	6-00	250	2.2	42
BROWNSVILLE SHIP CHANNEL:							
JUNCTION BASIN TO BOCA							
CHICA PASSING BASIN	44.0	44.0	44.0	6-00	250	3.4	42
BOCA CHICA PASSING							
BASIN TO GOOSE I.							
PASSING BASIN	44.0	44.0	44.0	6-00	250	4.5	42
GOOSE I. PASSING							
BASIN TO BROWNSVILLE							
TURNING BASIN	44.0	44.0	44.0	6-00	300	2.8	42
BROWNSVILLE TURNING BASIN	35.0	36.0	35.0	3-00	500-1200	1.9	42-36
PORT ISABEL CHANNEL:							
JUNCTION TO TURNING BASIN							
(INCLUDING WIDENER AT JUNCTION)	38.0	38.0	38.0	12-00	200	1.2	36
PORT ISABEL TURNING BASIN	38.0	38.0	38.0	12-00	1000	0.2	36
CUT OFF CHANNEL	38.0	38.0	38.0	12-00	200	0.7	36
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION							

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NM 46/01

Chart 11322 (Side B)

NM 46/01

FREEPORT HARBOR CHANNEL DEPTHS							
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF SEP 2001							
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOW TIDE (MLT)					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
CHANNEL FROM DEEP WATER TO SEAWARD END OF JETTY	45.0	48.0	41.0	7-01	400	4.3	47
JETTY CHANNEL	43.0	45.0	42.0	7-01	400	1.3	45
LOWER TURNING BASIN THENCE TO BRAZOSPORT	35.0	43.0	37.0	6-01	750	0.1	45
TURNING BASIN	40.0	44.0	40.0	6-01	400-600	0.4	45
BRAZOSPORT TURNING BASIN	42.0	44.0	40.0	6-01	500-1000	0.2	45
CHANNEL TO UPPER TURNING BASIN	33.0	46.0	44.0	6-01	280-470	1.0	45
BRAZOS HARBOR APPROACH CHANNEL	38.0	39.0	39.0	6-01	200-650	0.5	36
BRAZOS HARBOR TURNING BASIN	36.0	38.0	39.0	6-01	750	0.1	36
UPPER TURNING BASIN	45.0	47.0	46.0	6-01	600-1190	0.1	45
CHANNEL TO STAUFFER TURNING BASIN	17.0	19.0	17.5	11-88	200	1.0	25
STAUFFER TURNING BASIN	18.0	18.0	16.0	11-88	500	0.1	25
INFORMATION IN THIS TABULATION HAS BEEN PROVIDED TO NOAA BY THE U.S. ARMY CORPS OF ENGINEERS. DEPTHS ARE REFERENCED TO A LOCAL DREDGING REFERENCE CALLED MEAN LOW TIDE. FOR AN APPROXIMATE CONVERSION TO MEAN LOWER LOW WATER, ADD 1 FOOT TO EACH DEPTH IN THE TABULATION.							
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION							

Chart 11323

NM 46/01

HOUSTON - GALVESTON NAVIGATION CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF SEP 2001								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOW TIDE (MLT).						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
OFFSHORE CHANNEL	41.0	46.0	46.0	40.0	6-01	800-1000	3.8	45
JETTY / ENTRANCE CHANNEL	41.0	44.0	43.0	40.0	5-01	800-1000	10.6	45
INFORMATION IN THIS TABULATION HAS BEEN PROVIDED TO NOAA BY THE U.S. ARMY CORPS OF ENGINEERS. DEPTHS ARE REFERENCED TO A LOCAL DREDGING REFERENCE CALLED MEAN LOW TIDE. FOR AN APPROXIMATE CONVERSION TO MEAN LOWER LOW WATER, ADD 1 FOOT TO EACH DEPTH IN THE TABULATION.								
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

Chart 11324

NM 46/01

HOUSTON - GALVESTON NAVIGATION CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF SEP 2001								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOW TIDE (MLT)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
OFFSHORE CHANNEL	41.0	46.0	46.0	40.0	6-01	800-1000	3.8	45
JETTY / ENTRANCE CHANNEL	41.0	44.0	43.0	40.0	5-01	800-1000	10.6	45
LOWER BAY REACH	38.0	46.0	41.0	30.0	6-01	530	11.1	45
MID BAY REACH	35.0	42.0	40.0	34.0	6-01	400	8.3	40
UPPER BAY REACH	28.0	36.0	42.0	34.0	6-01	530	7.6	45
GALVESTON CHANNEL	29.0	37.0	37.0	29.0	6-01	1125-1075	4.0	40
TEXAS CITY CHANNEL	39.0	44.0	44.0	42.0	4-01	400	5.3	40
TEXAS CITY TURNING BASIN	39.0	41.0	42.0	41.0	8-00	1200	0.6	40
INFORMATION IN THIS TABULATION HAS BEEN PROVIDED TO NOAA BY THE U.S. ARMY CORPS OF ENGINEERS. DEPTHS ARE REFERENCED TO A LOCAL DREDGING REFERENCE CALLED MEAN LOW TIDE. FOR AN APPROXIMATE CONVERSION TO MEAN LOWER LOW WATER, ADD 1 FOOT TO EACH DEPTH IN THE TABULATION.								
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

Chart 11327

NM 46/01

HOUSTON - GALVESTON NAVIGATION CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF SEP 2001								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOW TIDE (MLT)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
LOWER BAY REACH	38.0	46.0	41.0	30.0	6-01	530	11.1	45
MID BAY REACH	35.0	42.0	40.0	34.0	6-01	400	8.3	40
UPPER BAY REACH	28.0	36.0	42.0	34.0	6-01	530	7.6	45
INFORMATION IN THIS TABULATION HAS BEEN PROVIDED TO NOAA BY THE U.S. ARMY CORPS OF ENGINEERS. DEPTHS ARE REFERENCED TO A LOCAL DREDGING REFERENCE CALLED MEAN LOW TIDE. FOR AN APPROXIMATE CONVERSION TO MEAN LOWER LOW WATER, ADD 1 FOOT TO EACH DEPTH IN THE TABULATION.								
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

Chart 11328

NM 46/01

HOUSTON - GALVESTON NAVIGATION CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF SEP 2001								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOW TIDE (MLT)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
UPPER BAY REACH	28.0	36.0	42.0	34.0	6-01	530	7.6	45
LOWER END OF MORGAN PT. TO EXXON OIL CO. SLIP	30.0	37.0	37.0	30.0	3-00	400-525	4.2	40
INFORMATION IN THIS TABULATION HAS BEEN PROVIDED TO NOAA BY THE U.S. ARMY CORPS OF ENGINEERS. DEPTHS ARE REFERENCED TO A LOCAL DREDGING REFERENCE CALLED MEAN LOW TIDE. FOR AN APPROXIMATE CONVERSION TO MEAN LOWER LOW WATER, ADD 1 FOOT TO EACH DEPTH IN THE TABULATION.								
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

Chart 11506

NM 46/01

BRUNSWICK HARBOR CHANNEL DEPTHS							
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF SEP 2001							
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
BAR CHANNEL							
(ST SIMON RANGE)	31.0	31.0	A29.0	9-01	500	7.7	32
PLANTATION CREEK RANGE	35.0	41.0	39.5	9-01	400	1.8	32
JEKYLL ISLAND RANGE	30.5	37.5	33.0	9-01	400	1.9	30
CEDAR HAMMOCK RANGE	28.0	35.5	30.5	9-01	400	1.4	30
BRUNSWICK PT CUT RANGE	27.0	29.5	27.0	9-01	400	2.4	30
EAST RIVER							
LOWER REACH	B31.0	31.0	30.0	9-01	400	1.1	30
UPPER REACH	27.0	27.0	27.0	9-01	350	1.0	27
EAST RIVER TURNING BASIN	33.0	33.0	33.0	9-01	750	0.2	30
TURTLE RIVER LOWER RANGE	36.0	31.0	29.5	9-01	300	1.7	30
BLYTHE ISLAND RANGE	31.5	26.0	26.0	9-01	300	1.5	30
TURTLE RIVER UPPER RANGE	28.0	28.0	27.5	9-01	300	2.7	30
SOUTH BRUNSWICK RIVER	30.0	31.0	31.5	9-01	400	1.3	30
A. OBSTRUCTION REPORTED WITH A DEPTH OF 29 FEET, LOCATED AT 31°04'06.6"N; 081°16'35.7"W.							
B. THE EAST RIVER, LOWER REACH WIDENER LEAST DEPTHS WERE 30 FEET, LOCATED 50 FEET INSIDE THE CHANNEL LIMIT, AND 30.5 FEET, LOCATED 150 FEET INSIDE THE CHANNEL LIMIT FROM THE LEFT SIDE.							
NOTE - FOR THE LEFT OUTSIDE AND RIGHT OUTSIDE QUARTERS, DEPTHS GIVEN REPRESENT CONDITIONS 50 FEET INSIDE THE CHANNEL LIMITS. (EXCEPT FOR THE EAST RIVER TURNING BASIN)							
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION							

SECTION I

NM 46/01

Chart 14924

NM 46/01

Channel 1727

1714 107.0

MILWAUKEE HARBOR CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS SURVEYS MAR - MAY 2001								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT GREAT LAKES LOW WATER DATUM (LWD)						PROJECT DIMENSIONS		
ENTRANCE CHANNELS	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (MILES)	DEPTH LWD (FEET)
ENTRANCE TO END OF BKW	32.2	32.1	31.3	31.4	5-01	800-300	0.23	30
BKW TO PIERHEAD LT	28.3	28.2	27.1	24.7	5-01	600	0.53	28
S. HARBOR AREA	27.7	28.0	27.3	26.3	4, 5-01	2300	1.0	28
PIERHEAD LT TO PT AT 43°01'29"N 087°54'08"W	25.6	28.2	26.9	23.7	4, 5-01	250-450	0.35	27
RIVER CHANNELS	LEFT OUTSIDE QUARTER	MIDDLE HALF	RIGHT OUTSIDE QUARTER		DATE OF SURVEY	WIDTH (FEET)	LENGTH (MILES)	DEPTH LWD (FEET)
KINNICKINNIC R: PT AT 43°01'29"N 087°54'11"W SOUTH TO FIRST RR BRIDGE	24.6A	25.2B	24.3C		5-01	400-180	0.8	27
MILWAUKEE R: PT AT 43°01'29"N 087°54'11"W NORTH TO FIRST RR BRIDGE	18.9	24.7D	23.6		4, 5-01	400-250	0.23	27
FIRST RR BRIDGE TO SECOND ST BRIDGE	15.7	18.0	19.6		3, 5-01	250-100	0.53	21
A. SHOALING TO 22.8 FEET WITHIN THE LAST 300 FEET OF REACH B. SHOALING TO 21.2 FEET WITHIN THE LAST 300 FEET OF REACH C. SHOALING TO 21.5 FEET WITHIN THE LAST 300 FEET OF REACH D. SHOALING TO 16.9 AT 43°01'39.42"N 087°54'16.77"								

Chart 18587

NM 46/01

COOS BAY AND ISTHMUS SLOUGH CHANNEL DEPTHS							
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO AUG 2001							
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
ENTRANCE RANGE	38	39	38	1,8-01	---	1.9	47-37
ENTRANCE RANGE AND TURN	38	43	33	1-01	300-1050	0.5	37
INSIDE RANGE	37	37	37	1-01	300	0.6	37
COOS BAY RANGE	34	37	35	1,5-01	300	1.6	37
EMPIRE RANGE	35	36	37	5-01	300	1.3	37
LOWER JARVIS RANGE	35	36	34	5-01	300	0.8	37
JARVIS TURN	40	34	32	5-01	300	0.5	37
UPPER JARVIS RANGE	33	35	35	5-01	300	1.9	37
NORTH BEND LOWER RANGE	36	38	35	5-01	400	0.4	37
NORTH BEND RANGE	36	37	35	5-01	400	0.9	37
NORTH BEND UPPER RANGE	36	38	36	5-01	400	0.6	37
LOWER TURNING BASIN	36	39	35	5-01	400-800	0.3	37
FERNDAL LOWER RANGE	37	39	34	5-01	400	0.4	37
FERNDAL TURN	33	38	36	5-01	400	0.2	37
FERNDAL UPPER RANGE	18	37	35	5,8-01	400	0.7	37
MARSHFIELD RANGE	35	35	32	5,8-01	400	0.4	37
MARSHFIELD RANGE TO ISTHMUS SLOUGH	33	36	34	5-01	150-750	0.9	37
ISTHMUS SLOUGH	19	20	19	4-85	150	2.0	22
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION							